

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (Currently Amended) A recording control apparatus for controlling recording a file of first data of each of a plurality of data series onto a recording medium, said recording control apparatus ~~characterized by comprising:~~

~~first generating means for generating second data that is~~ logically disposed at a start of said file;

~~means for generating third data, that is logically disposed at an end of said file, that makes data amounts of said first data and said second data integral multiples of a unit of reading and writing of said recording medium, by being added to said first data or said second data; and~~

~~recording control means for performing recording control to record said file onto said recording medium such that said first data of each data series is recorded so as to be disposed periodically and said second data is recorded next~~ said first data is recorded so as to have data amount of an integral multiple of said unit of reading and writing of said recording medium by adding said third data onto said recording medium such that boundaries of said first data coincide with boundaries of said unit, and to record said second data made to have the data amount of an integral multiple of said unit by adding said third data onto said recording medium such that boundaries of said second data coincide with boundaries of said unit.

2-3. (Canceled)

4. (Currently Amended) A recording control method for controlling recording a file of first data of each of a plurality of data series onto a recording medium, said recording control method ~~characterized by~~ comprising:

~~a generating step for generating second data that is~~ logically disposed at a start of said file;

a step for generating third data that is logically disposed at an end of said file, that makes data amounts of said first data and said second data integral multiples of a unit of reading and writing of said recording medium, by being added to said first data or said second data; and

~~a recording control step for performing recording control to record said file onto said recording medium such that said first data of each data series is recorded so as to be disposed periodically and said second data is recorded next~~said first data is recorded so as to have data amount of an integral multiple of said unit of reading and writing of said recording medium by adding said third data onto said recording medium such that boundaries of said first data coincide with boundaries of said unit, and to record said second data made to have the data amount of an integral multiple of said unit by adding said third data onto said recording medium such that boundaries of said second data coincide with boundaries of said unit.

5. (Currently Amended) A recording medium containing a computer-executable program for making ~~a~~ the computer perform a recording control process for controlling recording a file of first data of each of a plurality of data series onto a recording medium, said ~~program~~ characterized by recording control process comprising:

a ~~generating~~ step for generating second data that is logically disposed at a start of said file;

a step for generating third data that is logically disposed at an end of said file, that makes data amounts of said first data and said second data integral multiples of a unit of reading and writing of said recording medium, by being added to said first data or said second data; and

a ~~recording control~~ step for performing recording control to record said file onto said recording medium such that said first data of each data series is recorded so as to be disposed periodically and said second data is recorded nextsaid first data is recorded so as to have data amount of an integral multiple of said unit of reading and writing of said recording medium by adding said third data onto said recording medium such that boundaries of said first data coincide with boundaries of said unit, and to record said second data made to have the data amount of an integral multiple of said unit by adding said third data onto said recording medium such that boundaries of said second data coincide with boundaries of said unit.

6. (Canceled)

7. (New) An apparatus for converting a file from a standard AV multiplex format to an AV independent format, comprising:

a master file generating means for generating a master file in the AV independent format;

a header obtaining means for obtaining a header by extracting the header from the file in the standard AV multiplex format;

a header metadata extracting means for extracting header metadata from the header supplied from the header obtaining means;

a body obtaining means for obtaining a body by extracting the body from the file in the standard AV multiplex format;

a system item processing means for extracting a system item having frame unit metadata disposed therein from each edit unit of the body supplied from the body obtaining means;

a metadata file generating means for generating a file unit metadata file in which the header metadata supplied from the header metadata extracting means is disposed and for generating a frame unit metadata file in which system items of edit units which system items are supplied from the system item processing means are disposed en bloc;

a picture item extracting means for extracting a picture item having frame unit video data disposed therein from each edit unit of the body supplied from the body obtaining means;

a video file generating means for generating a video file by disposing picture items of the edit units which picture items are supplied from the picture item extracting means in a body en bloc, and for adding a header and a footer in the standard AV multiplex format to the body;

a sound item extracting means for extracting a sound item having frame unit audio data disposed therein from each edit unit of the body supplied from the body obtaining means; and

an audio file generating means for generating an audio file for each channel by disposing en bloc audio data of each channel disposed in sound items of the edit units which

sound items are supplied from the sound item extracting means in a body for each channel, and
for adding a header and a footer in the standard AV multiplex format to the body.